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PTO/SB/21 (08-00)

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| TRANSMITTAL   |                             |  |           | 10/718,757  |  |  |
| FORM  |                             | Filing Date                                      |           | 11/21/2003  |  |  |
| (to be used for all correspondence after initial filing)  |                             | First Named Inventor Z                           |           | nenqiang Ma   |  |  |
|   |                             | Group Art Unit N                                 |           | ot Yet Assigned   |  |  |
|   |                             | Examiner Name                                    | No        | ot Yet Assigned   |  |  |
| Total Number of Pages in This   | Submission 3+               | Attorney Docket Numb                             | er 53     | 39.008  |  |  |
|   | ENCLOSURES                  | (check all that apply)                           |           |   |  |  |
| Fee Transmittal Form  | Assignr<br>(for an .        | nent Papers<br>Application)                      | Ш         | After Allowance Communication to Group                            |  |  |
| Fee Attached  | Drawing                     | Prawing(s)                                       |           | Appeal Communication to Board of<br>Appeals and Interferences     |  |  |
| Amendment / Reply   | Licensi                     | ng-related Papers                                |           | Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |  |  |
| After Final   | er Final Petition           |  |           | Proprietary Information   |  |  |
| Affidavits/declaration(s  |                             | Petition to Convert to a Provisional Application |           | Status Letter   |  |  |
| — Power   |                             | of Attorney, Revocation of Correspondence        | X         | Other Enclosure(s) (please identify below):                       |  |  |
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| Information Disclosure Statement and Form PTO 1449 Request  |                             | st for Refund                                    | Refere    | nces Listed   |  |  |
| Certified Copy of Priority Document(s) (2)  CD, Nur   |                             | mber of CD(s)                                    |           |   |  |  |
| Response to Missing Parts/ Remarks Incomplete Application   |                             |  |           |   |  |  |
| Response to Missing Parts under 37 CFR 1.52 or 1.53   |                             |  |           |   |  |  |
|   |                             |  |           |   |  |  |
| SIG   | NATURE OF APPLI             | CANT, ATTORNEY, OR                               | AGEN      |   |  |  |
| Firm Jay G. Durst or Individual name Boyle Fredrick   | on Newholm Stein &          | Gratz, S.C.                                      |           |   |  |  |
| 250 East Wisconsin Avenue, Suite 1030   |                             |  |           |   |  |  |
| Milwaukee, WI 58202   |                             |  |           |   |  |  |
| Signature M N W   |                             |  |           |   |  |  |
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| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop- Missing Parts-Fee, Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450 on this date: |                             |  |           |   |  |  |
| Type or printed name Thomas P   | Vita, Jr.                   |  |           |   |  |  |
| Signature   | 1)++                        | Da   | ate       | 3/23/04   |  |  |

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| Zhenqiang Ma                  | ) | being deposited with the United States       |
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| Serial No.: 10/718,757        | ) | envelope addressed to:                       |
|                               | ) | Commissioner for Patents, P O Box 1450       |
| Filed: November 21, 2003      | ) | Alexandria, VA 22313-1450                    |
|                               | ) | on March 23, 2004                            |
| Examiner: Not Yet Assigned    | ) |  |
|                               | ) | 2 ,011                                       |
| SOLID STATE HIGH POWER DEVICE | ) | 1000   |
|                               |   | Thomas P. Vita, Jr.                          |

## INFORMATION DISCLOSURE STATEMENT

Commissioner for PatentsP O Box 1450Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed not within three months after the filing date of the above-referenced application but, to the undersigned's knowledge, before the mailing of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents are submitted herewith along with Form PTO-1449.

Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notation on the attached form.

This submission does not represent that no better art exists and does not constitute an admission that each of the listed documents is material or constitutes "prior art." If it should be determined that any of the listed documents does constitute "prior art" under United States {00057038.DOC /}

Information Disclosure Statement

Serial No. 10/718,757, filed November 21, 2003

Page 2

law, Applicant reserves the right to present to the Office the relevant facts and law regarding the

appropriate status of such document.

Applicant further reserves the right to take appropriate action to establish the patentabilty

of the disclosed invention over the listed documents, should one or more of the documents be

applied against the claims of the present application.

Applicant believes there is no fee due in connection with this filing. However, if there is

any fee due in connection with the filing of this Statement, please charge the fee to our Deposit

Account No. 50-1170.

Respectfully submitted,

Jay G. Durst, Reg. No. 41,723

Dated:

BOYLE FREDRICKSON NEWHOLM STEIN & GRATZ, S.C.

250 East Wisconsin Avenue, Suite 1030

Milwaukee, WI 53202

Telephone: (414) 225-9755 Facsimile: (414) 225-9753

Docket No. 539.008



Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. Appln. No. 10/718,757 539.008 Applicant Zhenqiang Ma Group Art Unit Filing Date Not Yet Assigned 11/21/2003

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

**U.S. PATENT DOCUMENTS** DOCUMENT EXAMINER FILING DATE IF APPROPRIATE **SUBCLASS CLASS** INITIAL NUMBER DATE NAME 257 190 1/10/1991 1/5/1993 Endo et al. 5177583 5252841 10/12/1993 Wen et al. 257 197 1/19/1993 257 582 9/30/1992 5378922 1/3/1995 Sovero 579 8/30/1995 257 5734193 3/31/1998 Bayraktaroglu et al. 257 571 10/5/1998 6051871 4/18/2000 DeLaCruz et al.

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|   | DOCUMENT |      |                 |         |          | TRANSLATION |    |
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|   |          |      |                 |         |          |             |    |

| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)   |
|---|
| Fields and Choudhury, Process Simulation and Fabrication of Power Heterojunction Bipolar Transistors, HRL Laboratories, LLC. (1999) |
| <br>Garlapati and Prasad, Modeling of Current-gain Collapse in Multi-finger HBT's, Dept. of Electrical and Computer Eng. (7/6/2000) |

| *EXAMINER  | DATE CONSIDERED  |  |
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